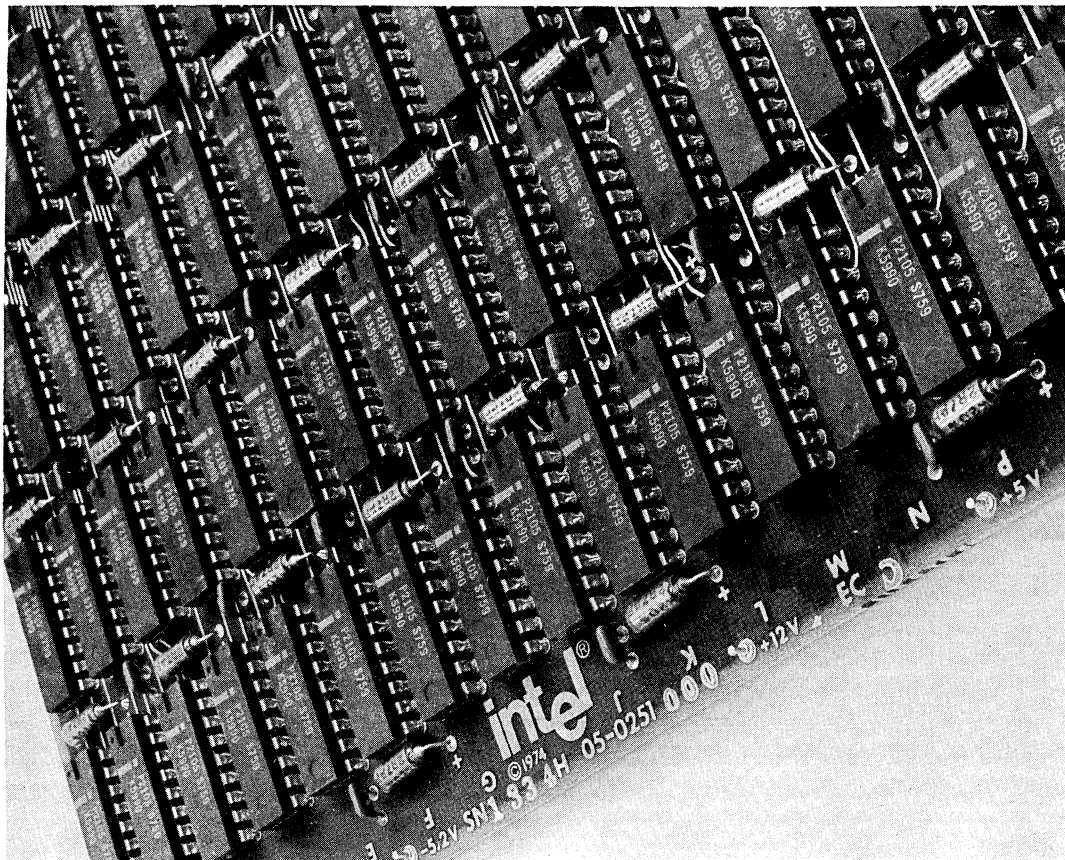




in-30 MEMORY SYSTEM



in-30 SERIES RAM MEMORY FEATURES:

- Fastest MOS Memory
- High Reliability
- Modular Expandability
- Module Interchangeability
- Automatic Refresh
- Fast Cycle Time
- Low Power Requirements
- Compact Size
- Field Expandable

The in-30 RAM Memory System is modular, built for standard expansion in off-the-shelf memory board (MU) increments of 4K x 18 or 8K x 9. A single control board (CU) is capable of operating up to 32K x 18 or 65K x 9. High speed access and cycle times offer maximum performance to price ratio. No adjustments are necessary with in-30 interchangeable modules. Chassis options include completely tested systems in custom configurations.

DYNAMIC RAM MEMORY SYSTEMS in-30

SYSTEM in-30 SPECIFICATIONS

Dimensions:

Memory Board:	8.175 Inches	High
(4K x 18 or 8K x 9)	10.5 Inches	Deep
	0.5 Inches	Wide

To expand to 32K x 18 add 0.5 inches per memory card. Only one control card (CU) is needed for systems up to 32K x 18 or 64K x 9.

Memory System:	8.175 Inches	High
(32K x 18)	10.5 Inches	Deep
	5.0 Inches	Wide

Capacity:

1024, 2048, 4096, 8192 words expandable in cards to 32,768 x 18 or 65,536 x 9 capacity.

Word Length:

8, 9, 10, 12, 16, or 18 bits in a single memory card. Longer word lengths can be accommodated by combining memory cards.

Cycle Time:

in-30 330 Nanoseconds

Access Time:

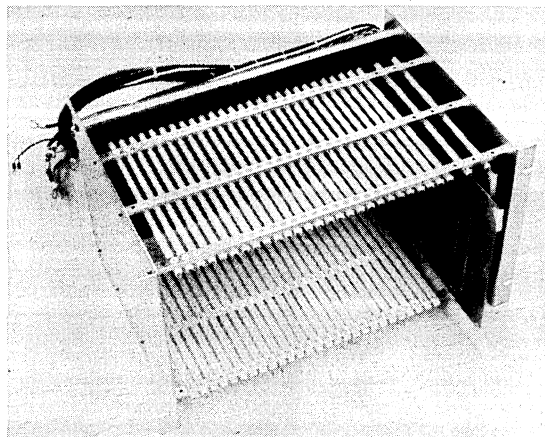
in-30 200 Nanoseconds

Operational Modes:

Read
Write
Read/Modify/Write (Optional)

Interface Characteristics:

TTL Compatible
Standard Input Lines:
Cycle Initiate
Byte Control
Read/Write
Standard Output Lines:
Data Available
Memory Busy



Environment:

Temperature: 0°C to +50°C operating ambient
-40°C to +125°C non-operating
Relative Humidity: Up to 90% with no condensation
Altitude: 0 to 10,000 feet operating
Up to 50,000 feet non-operating

D.C. Power Requirement:

in-30	Voltage	Regulation
	-5	±5%
	+12	±5%
	+5	±5%

50 Watts (basic 4K x 18) (26 watts per additional 4K)

Features:

Byte Control (2 Zones Maximum)
Module Select
Address Register
Data Register (Optional)
Basic System Available As 4K x 18 or 8K x 9

Special Options:

INTEL also offers the in-30 mounted in card chassis designed for mounting in 19" and 24" relay racks. UT-30 socket cards allow easy wire wrapping of custom interfaces in the card chassis.